

IN THE CLAIMS

1 (Original). A method comprising:
providing an add-in card without a medium access control to implement wireless communications; and
enabling said add-in card to provide wake packet filtering.

2 (Original). The method of claim 1 including enabling an add-in card to filter incoming wake packets, to determine whether it is necessary to awake a host platform and to provide an appropriate signal to wake the host platform.

3 (Original). The method of claim 1 including coupling an add-in card to said platform.

4 (Original). The method of claim 3 including enabling the platform to implement wireless medium access control.

5 (Original). The method of claim 4 including accessing a configuration space on a platform integrated component, detecting an add-in card external to said platform, said add-in card intended to operate with said integrated component, comparing an identifier for said add-in card with an identifier for said integrated component, and if said identifiers match, writing information into the configuration spaces of the integrated component and add-in card.

6 (Original). The method of claim 3 including providing a physical layer for wireless communications in said add-in card.

7 (Original). A method comprising:
providing a wireless capability on a platform including a medium access control;
and
removing the wireless wake packet filtering function from the medium access control.

8 (Original). The method of claim 7 including providing an add-in card which includes said wake packet filtering function.

9 (Original). The method of claim 8 including providing a physical layer.

10 (Original). The method of claim 9 including performing wake packet filtering on said add-in card and providing a wake signal to said platform only when a valid wake packet has been identified.

11 (Original). The method of claim 7 including accessing a configuration space on a platform integrated component, detecting a component external to said platform, said component intended to operate with said integrated component, comparing an identifier for said external component with an identifier for said integrated component, and if said identifiers match, writing information into the configuration spaces of the integrated and external components.

12 (Currently Amended). A processor-based system comprising:
a processor; ~~and~~
a medium access control to enable wireless communications, said medium access control not including a wake packet filtering function; and
an add-in card coupled to said system, said add-in card including a physical layer to provide wireless communications, said add-in card also including a wake packet filtering function.

Claim 13 (Canceled).

14 (Currently Amended). The system of claim 12 ~~[[13]]~~ including a mating manager to access a configuration space associated with said medium access control, detect an add-in card external to said system, said add-in card intended to operate with said integrated medium access control, compare an identifier for said add-in card with an identifier for said medium access control, and if said identifiers match, write information into the configuration spaces of the integrated component and add-in card.

15 (Original). A processor-based system comprising:
a processor;
a medium access control;
a bus coupled to said processor; and
an add-in card coupled to said bus, said add-in card including a physical layer to implement wireless communications, said add-in card including a wake packet filter.

16 (Original). The system of claim 15 including a mating manager to access a configuration space on a platform integrated component, detect the add-in card, compare an identifier for said add-in card with an identifier for said integrated component and if said identifiers match, write information into the configuration spaces of the integrated component and add-in card.

17 (Original). An article comprising a medium storing instructions that enable a processor-based system to:

receive a wireless communication packet;
filter said packet to determine whether or not it is necessary to wake a platform coupled to said system; and
if said packet is one which necessitates waking the platform, provide a signal from said system to said platform to wake said platform.

18 (Original). The article of claim 17 further storing instructions that enable the processor-based system to provide a physical layer for wireless communications.

19 (Original). The article of claim 17 further storing instructions that enable said system to avoid unnecessarily awakening a platform coupled to said system so as to reduce power consumption of said platform.

20 (Original). The article of claim 17 further storing instructions to implement wake packet filtering in a system not having a medium access control.

21 (New). An add-in card connectable to a processor-based system, said card comprising:

a physical layer to provide wireless communications; and
a wake packet filtering function.

22 (New). The card of claim 21, said card to operate through a mating manager on said processor-based system to provide an external wake packet filtering function.

23 (New). The card of claim 21, said card including an identifier and a device to provide said identifier to said processor-based system.